



## Molniya

Shifter55 -

Angles for R.I. = 1.540

34 + 12 girdles = 46 facets

1-fold mirror-image symmetry

96 index

$L/W = 1.243$   $T/W = 0.618$   $U/W = 0.552$

$P/W = 0.445$   $C/W = 0.184$

$Vol./W^3 = 0.250$

## Pavilion

P1	42.90	06-25-34-62-71-90
P2	44.80	03-28-32-64-68-93
G1	90.00	06-25-34-62-71-90
G2	90.00	03-28-32-64-68-93

Cut to CTP

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Define stone size

Level girdle

## Crown

C1	42.30	06-25-71-90
C2	53.50	03-28-32-64-68-93
C3	43.60	34-62
C4	23.60	96
C5	28.30	31-65
C6	33.10	10-21-75-86
C7	26.80	40-56
T	0.00	Table

Set girdle width

Level girdle

Level Girdle

Meet C1,C2

Meet C1,C2,C3

Meet Girdle. Can be adjusted after polishing table to meet better

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Table facet

This is a long trilliant that was the result of experimenting with biasing indices to produce different L/Ws. The single set of pavilion tiers should make this forgiving to cut, and it is intended for quartz tips with a single large facet and offcuts too triangular to fit a pear. Cuts in RIs 1.54-2.14 with no changes.